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(54) THE: TEMPLATE FIXED BETA HAIRPIN LOOP MIMETICS AND THEIR USE IN PHAGE DISPLAY

(57) Abstract: Template-fixed β-hairpin mimetics of the general formula R¹-Cys-Z-Cys-R² (I) wherein the two Cys residues are bridged by a disulfide bond thereby forming a cyclic peptide; R¹ and R² are preferably Glu-Thr and Thr-Lys; or Lys-Thr and Thr-Glu; or Thr-Glu and Lys-Thr, or Thr-Lys and Glu-Thr; or Leu-Glu and Lys-Val; or Val-Lys and Glu-Leu; or Glu-Leu and Val-Lys; or Lys-Leu and Val-Glu; or Asn-Gly and Lys-Val; or Val-Gly and Lys-Asn; or Gly-Asn and Val-Lys; or Gly-Val and All-Lys; or Cly-Val and Lys-Gly and Gly-Gly; or Glu-Leu-Lys and Glu-Lys-Val; or Val-Glu and Lys-Leu-Glu; or Leu-Glu-Lys and Glu-Lys-Val; or Val-Lys-Glu and Leu-Lys-Glu; or Lys-Glu-Leu and Val-Lys-Glu; or Glu-Lys-Val and Leu-Glu-Lys; or Lys-Val-Gly and Gly-Lys-Val; or Val-Lys-Gly; or Glu-Leu-Gly and Gly-Lys-Gly and Gly-Gly-Gly and Gly-Lys-Val; or Val-Gly-Lys and Glu-Lys-Glu; or Leu-Glu-Gly and Cly-Lys-Gly and Gly-Gly-Gly and Gly-Gly-Gly and Gly-Lys-Val; or Val-Gly-Lys and Glu-Gly-Leu; or Leu-Gly-Glu and Lys-Gly-Gly and Gly-Gly-Gly and Gly-Gly-Gly; or Lys-Gly-Gly and Gly-Gly-Gly; or Lys-Gly-Gly and Gly-Gly-Gly; or Lys-Gly-Gly and Gly-Gly-Gly and Gly-Lys-Val; or Val-Gly-Lys and Glu-Gly-Leu; or Leu-Gly-Glu and Lys-Gly-Gly-Gly and Gly-Gly-Gly and Gly-Gly-Gly and Gly-Gly-Gly; or Lys-Gly-Gly and Gly-Gly-Gly and Gly-Lys-Val; or Val-Gly-Lys and Glu-Gly-Leu; or Leu-Gly-Glu and Lys-Gly-Val; or Gly-Gly-Gly and Gly-Gly-Gly and Gly-Gly-Gly and Gly-Lys-Gly and Gly-Lys-Val; or Val-Gly-Lys and Glu-Gly-Leu; or Leu-Gly-Glu and Lys-Gly-Lys-Gly and Gly-Gly-Gly and Gly-Gly-Gly and Gly-Lys-Gly and Gly-Lys-Gly and Gly-Gly-Gly and Gly-Lys-Gly and Gly-Lys-Gly and Gly-Lys-Gly and Gly-Lys-Glu and Lys-Gly-Lys-Glu and Lys-Gly-Lys-Glu and Lys-Gly-Lys-Glu and Lys-Gly-Lys-Glu and Lys-Gly-Lys-Glu a